

Title (en)  
OPTICAL COHERENCE TOMOGRAPHY WITH AN EXTENDED DYNAMIC RANGE

Title (de)  
OPTISCHE KOHÄRENZTOMOGRAPHIE MIT ERWEITERTEM DYNAMIKBEREICH

Title (fr)  
TOMOGRAPHIE PAR COHÉRENCE OPTIQUE À PLAGE DYNAMIQUE ÉLARGIE

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Application  
**EP 13702327 A 20130110**

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Abstract (en)  
[origin: WO2013107621A1] The invention lies in the field of optical metrology and relates to optical coherence tomography (OCT). In particular, the invention relates to an apparatus and a method for the depth-dependent adaptation of the dynamic range of an OCT system to the profile of the backscattered power to be measured. The dynamic range of the measuring method can therefore be decoupled from the dynamic range of the analogue/digital converter used. The invention is used, in particular, in the characterization of strongly scattering or strongly absorbing biological or technical samples.

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See references of WO 2013107621A1

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